ELSEVIER

Mechanisms of Ageing and Development
99 (1997) 279–280

mechanisms of ageing and development

Volume contents

Volume 99 (1997)

The effect of ageing on RNA content in neurons from the thalamic reticular nucleus visual sector
V. Requena, F. González, F. Díaz, A. Villena, A. Peláez, I. Pérez de Vargas (Málaga, Spain) 1

Dopamine–glutamate interactions in the prefrontal cortex of the conscious rat: studies on ageing
A. Porras, B. Sanz, F. Mora (Madrid, Spain) 9

Senescence-related change in autologous mixed-lymphocyte reaction in senescence-accelerated mice
S. Kimura, T. Fukai, I. Morisaki, H. Daikoku, S. Hamada (Suita-Osaka, Japan). 19

Changes in fidelity levels of DNA polymerases α-1, α-2, and β during ageing in rats
T. Taguchi, M. Ohashi (Tokyo, Japan) 33

Glial and neuronal cell numbers and cytochrome oxidase activity in CA1 and CA3 during postnatal development and aging of the rat
J.M. Cimadevilla, L.M. Garcia Moreno, H. Gonzalez Pardo, M.C. Zahonero, J.L. Arias (Oviedo, Madrid, Spain) 49

Preparation of artificial ceroid/lipofuscin by UV-oxidation of subcellular organelles
E. Nilsson, D. Yin (Linköping, Sweden) 61

Instructions to authors 79

Age-related changes of sulphide-silver staining in the rat hippocampus
P. Barili, C. Fringuelli, A. Ricci, I. Rossodivita, M. Sabbatini (Rome, Italy) 83

Evaluation of the activities of eight lysosomal hydrolases in sera of humans, rats and pigs of different ages
M.-M. Sánchez-Martín, J.A. Cabezas (E, Spain). 95

PII S0047-6374(97)00158-9

Modulation of intestinal vitamin D receptor by ovariectomy, estrogen and growth hormone
C. Chen, K.A. Noland, D.N. Kalu (San Antonio, TX) 109
Aging decreases retinoic acid and triiodothyronine nuclear expression in rat liver: exogenous retinol and retinoic acid differentially modulate this decreased expression
V. Pallet, V. Azaïs-Braesco, V. Enderlin, P. Grolier, C. Noël-Suberville, H. Garcin, P. Higueret (Talence, Clermont-Ferrand, France) 123
Vitamin E affects quantitative age changes in lumbar motoneurons and in their peripheral projections
R. Cuppini, T. Cecchini, R. De Matteis, S. Ciaroni, P. Del Grande (Urbino, Ancona, Italy) 137
Aging chromosome telomeres: parallel studies with terminal repeat and telomere associated DNA probes
P. Benn (Farmington, CT) 153
Detection of glycated fetal human lens crystallins by Concanavalin-A and aldehyde staining
M.H.J. Ahrend, J. Bours (Bonn, Germany) 167
Antioxidant enzyme activities in lens, liver and kidney of calorie restricted Emory mice
X. Gong, F. Shang, M. Obin, H. Palmer, M.M. Scrofano, J. Jahngen-Hodge, D.E. Smith, A. Taylor (Boston, MA) 181
On connection between the electrokinetic properties of cell nuclei and human biological age
V.G. Shakhbazov, Y.G. Shookorbatov, T.V. Colupaeva (Kharkov, Ukraine) 193
Age-related decline in humoral immunity caused by the selective loss of T_H cells and decline in cellular immunity caused by the impaired migration of inflammatory cells without a loss of T_{DTH} cells in SAMP1 mice
E. Toichi, K. Hanada, T. Hosokawa, K. Higuchi, M. Hosokawa, S. Imamura, M. Hosono (Kyoto, Japan) 199
Taurine release from the developing and ageing hippocampus: Stimulation by agonists of ionotropic glutamate receptors
P. Saransaari, S.S. Oja (Tampere, Finland) 219
The extension of Gompertz law's validity
J. Dolejs (Heyrovskeho, Czech Republic) 233
Age-related changes of the noradrenergic innervation of rat tracheo-bronchial tree and pulmonary vasculature
A. Ricci, S. Mariotta, S. Greco, G. Pallone, M. Papale, A. Bisetti (Roma, Italy) 245

Erratum 257
Author index 273
Subject index 275
Volume contents 279